

Message

From: Berkoff, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=F347C01A92D7424FA840C24F6B7FBF6B-MBERKOFF]
Sent: 10/15/2014 6:44:17 PM
To: Marc Hatton [HattonM@kalamazoocity.org]; Paul Bucholtz [bucholtzp@michigan.gov]; Bruce Merchant [MerchantB@kalamazoocity.org]
Subject: FW: Summary table to send to Michael - please QC
Attachments: Figure 4-2D.pdf

From: Jeff.Keiser@CH2M.com [mailto:Jeff.Keiser@CH2M.com]
Sent: Tuesday, October 14, 2014 5:46 PM
To: Berkoff, Michael
Cc: Beth.Rohde@CH2M.com
Subject: FW: Summary table to send to Michael - please QC

Michael,
Attached is the figure with the crescent alternative. The summary of costs is included below.

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Solutions without Boundaries

Summary of Landfill Cap Configurations
Allied Landfill (OU1)
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site

Scenario	Estimated Footprint ^a (acres)	Estimated Height (feet) above existing grade) ^b	Additional Consolidation Volume (cubic yards)	Estimated Backfill (cubic yards)
Alternative 2B	43	12	-	-
Alternative 2C	43	12	-	-
Alternative 2D (Crescent)	23	45	700,000	215,000
Alternative 2E (35-Acre Footprint with Flat Top)	35	16	100,000	259,000

^a Estimated footprint is limited to the extents of the cap and does not include additional area estimated for stormwater management.

^b Estimated height is calculated as an average thickness distributed across the capped area. Actual thickness of consolidated material may vary.

^c Net present value costs are calculated based on 30-year duration with a discount rate of 1.1 percent.

^d These cost estimates are assumed to represent the actual installed cost within the range of -30 percent to +50 percent of the cost estimate. The final cost of the project will depend on the schedule, predesign investigation findings and other variable factors.